

AMENDMENTS TO THE CLAIMS

1. (**Currently Amended**) A titanium-containing solution, ~~wherein said titanium is a monomeric or a polymeric titanium compound including not more than 100 units, an aliphatic diol and a polyhydric alcohol having a valency of 3 or greater, which contains comprising (A)~~ 0.05 to 20% by weight of a titanium compound, (B) 4 to 99% by weight of an aliphatic diol, and (C) 0.1 to 95% by weight of a polyhydric alcohol having a valency of 3 or greater, wherein the titanium-containing solution is prepared by using a titanium compound, which is a monomeric or polymeric titanium compound including not more than 100 units, an aliphatic diol and a polyhydric alcohol as starting materials.

2. (Canceled)

3. (Original) The titanium-containing solution according to claim 1, which contains water and/or a basic compound in a total proportion of 50% by weight or less.

4. (**Currently Amended**) A process for preparing a titanium-containing solution, ~~wherein said titanium is a monomeric or a polymeric titanium compound including not more than 100 units, and said solution further containing an aliphatic diol and a polyhydric alcohol having a valency of 3 or greater, comprising mixing a titanium compound, which is a monomeric or polymeric titanium compound including not more than 100 units, an aliphatic diol and a polyhydric alcohol having a valency of 3 or greater as starting materials,~~

wherein [[[A)]]] 0.05 to 20% by weight of [[a]] the titanium compound, [[[B)]]] 4 to 99% by weight of [[an]] the aliphatic diol, and [[[C)]]] 0.1 to 95% by weight of [[a]] the polyhydric

alcohol ~~having a valency of 3 or greater~~ are used with respect to the total amount of the titanium-containing solution; ~~and~~

~~said process comprising mixing said titanium compound, aliphatic diol and polyhydric alcohol.~~

5. (Previously Presented) The process for preparing a titanium-containing solution according to claim 4, wherein said solution further comprises water and/or a basic compound in a total proportion of 50% by weight or less, of the total solution.

6. (Currently Amended) A titanium-containing solution, ~~wherein said titanium is a monomeric or a polymeric titanium compound including not more than 100 units,~~ in which the particle size of the titanium-containing compound in the solution is mainly from 0.4 nm to 5 nm, wherein the titanium-containing solution is prepared by using a titanium compound, which is a monomeric or polymeric titanium compound including not more than 100 units as a starting material.

7. (Original) The titanium-containing solution according to claim 6, wherein the solution contains aliphatic diol, and the molar ratio of the diol component and titanium (ratio of aliphatic diol/titanium atoms) is 10 or greater.

8. (Currently Amended) A catalyst for polyester preparation comprising the titanium-containing solution as described in any one of claims 1, 3, 6 and 7, ~~wherein the titanium-containing solution is obtained by a mixing process.~~

9. (Original) A process for preparation of a polyester resin, wherein a polyester resin is prepared by polycondensing an aromatic dicarboxylic acid or an ester-forming derivative thereof with an aliphatic diol or an ester-forming derivative thereof, in the presence of the catalyst for polyester preparation as described in claim 8.

10. (Canceled)

11. (New) A catalyst for polyester preparation comprising the titanium-containing solution obtained by the process for preparation according to claim 4 or 5.

12. (New) The titanium-containing solution according to claim 1 or 6, wherein the monomeric or polymeric titanium compound including not more than 100 units is at least one selected from the group consisting of titanium tetrafluoride, titanium tetrachloride, titanium tetrabromide, titanium tetraiodide, hexafluorotitanic acid, α -titanic acid, β -titanic acid, ammonium titanate, sodium titanate, titanium sulfate, titanium nitrate, tetramethyltitanium, tetraethyltitanium, tetrabenzyltitanium, tetraphenyltitanium, bis(cyclopentadienyl)titanium dichloride, tetraphenoxytitanium, tetrakis(trimethylsiloxy)titanium, tetrakis(triphenylsiloxy)titanium, titanium acetate, titanium propionate, titanium lactate, titanium citrate, titanium tartrate, tetrakis(diethylamino)titanium, titanium tetrapyrrolide, titanium tetramethoxide, titanium tetraethoxide, titanium tetra-n-propoxide, titanium tetraisopropoxide, titanium tetra-n-butoxide, titanium tetra-2-ethylhexoxide, $\text{Ti}_7\text{O}_4(\text{OC}_2\text{H}_5)_{20}$, $\text{Ti}_{16}\text{O}_{16}(\text{OC}_2\text{H}_5)_{32}$, chlorotitanium triisopropoxide, dichlorotitanium diethoxide, titanium acetate triisopropoxide, titanium methacrylate triisopropoxide, titanium tris(dioctylpyrophosphate)isopropoxide, titanium

tris(dodecylbenzenesulfonate)isopropoxide, ammonium hexaethoxytitanate, sodium hexaethoxytitanate, potassium hexaethoxytitanate, and sodium hexa-n-propoxytitanate, titanium bis(2,4-pentanedionate)diisopropoxide, titanium bis(ethylacetoacetate)diisopropoxide, titanium bis(ammonium lactate) diisopropoxide, titanium bis(triethanolamine)diisopropoxide and 2-aminoethoxytitanium triisopropoxide.

13. (New) The process for preparing a titaniumcontaining solution according to claim 4, wherein the monomeric or polymeric titanium compound including not more than 100 units is at least one selected from the group consisting of titanium tetrafluoride, titanium tetrachloride, titanium tetrabromide, titanium tetraiodide, hexafluorotitanic acid, α -titanic acid, β -titanic acid, ammonium titanate, sodium titanate, titanium sulfate, titanium nitrate, tetramethyltitanium, tetraethyltitanium, tetrabenzyltitanium, tetraphenyltitanium, bis(cyclopentadienyl)titanium dichloride, tetraphenoxytitanium, tetrakis(trimethylsiloxy)titanium, tetrakis(triphenylsiloxy)titanium, titanium acetate, titanium propionate, titanium lactate, titanium citrate, titanium tartrate, tetrakis(diethylamino)titanium, titanium tetrapyrrolide, titanium tetramethoxide, titanium tetrethoxide, titanium tetra-n-propoxide, titanium tetraisopropoxide, titanium tetra-n-butoxide, titanium tetra-2-ethylhexoxide, $\text{Ti}_7\text{O}_4(\text{OC}_2\text{H}_5)_{20}$, $\text{Ti}_{16}\text{O}_{16}(\text{OC}_2\text{H}_5)_{32}$, chlorotitanium triisopropoxide, dichlorotitanium diethoxide, titanium acetate triisopropoxide, titanium methacrylate triisopropoxide, titanium tris(dioctylpyrophosphate)isopropoxide, titanium tzis(dodecylbenzenesulfonate)isopropoxide, ammonium hexaethoxytitanate, sodium hexaethoxytitanate, potassium hexaethoxytitanate, and sodium hexa-n-propoxytitanate, titanium bis(2,4-pentanedionate)diisopropoxide, titanium bis(ethylacetoacetate)diisopropoxide, titanium

Application No. 10/560,923
Amendment dated January 13, 2009
Reply to Office Action of November 19, 2008

Docket No.: 1155-0288PUS1

bis(ammonium lactate) diisopropoxide, titanium bis(triethanolamine)diisopropoxide and 2-aminoethoxytitanium triisopropoxide.